#### America's Most Beautiful Women, Picked by a Well-Known Illustrator



### BUSINESS MEN WILL BIG CONFERENCE SPEND BILLION CASH ON TRUCKS THIS YEAR

Use of the motor truck for hauling merchandise and commodities over long and short distances is expanding rapidly from year to year. Expansion has been unusually rapid during the current year, and it is estimated that and mercantile firms will spend apost the motorist of the future.

proximately \$1,000,000,000 for the This fact was emphasized a purchase and maintenance of trucks, amount to approximately \$250,000,000, association. against \$166,000,000 in 1921.

Farmers in all sections of the country, especially those within hauling in schools and colleges which will distance of large city markets, increased their demands for trucks this gation of highway traffic and more year. Operation of his own trucks safety for life and limb. A study of gives the farmer the opportunity to the sociological aspects of highway obtain better prices.

which is now out of the hands of the old rough 'jitney' class of operator and into the control of subtion," according to the Industrial Digest. "Trucks will be needed to carry idle all summer ,will need additional trucks in order to convey the winter's supply to householders."

To meet these expected demands for trucks, motor car manufacturers in the country are speeding up proction as fast as conditions permit.

'Convincing evidence of the increased use of the motor truck is furnished by the proposal to link all large cities by trunk highways," the writer says. The Associated Highways, of America, representing Interstate highways, plans to have a national trunk highway system that will connect the tree largest sized cities in each state Many medium-sized cities and towns along the route would also be included, so that much of the time now required to ship manufactured articles even for short distances would be saved. It is believed that a trunk highway system for the entire country is not only feasible, but is becoming a necessity.

"The extent to which the motor truck is being used at present is indicated by reports from various cities where this method of transportation is in use. Less than 3 per cent of the milk that is brought into Cincinnati is transported by railroads even under normal conditions and milk and produce dealers in the vicinity of Cleveland are reported to be using trucks altogether. Milk coming into Phhiladelphia by trucks now amounts to 641169 quarts daily and it is estimated that trucks operating out of Louisville, Ky., will soon be handling 500 tons of supplies, both on the out-

Under normal conditions the trucks and interurbans handle 75 per cent of all perishable foodstuffs in Kentucky and Southern Indiana. The meat packing industry has also adopted motor transportation. Fifteen motor express lines for handling livestock shipments within a radius of 45 miles of Kansas City have been established. Another Kansas City motor line is planning to extend its radius of haul to a maximum of 65

In Estronia, one of the Baltic provinces, there are approximately 166 automobiles of which 135 are in Reval. Most of these are of German make. Poor roads are said to account for so small a number.

Cities reporting a decrease in stolen cars during 1921 number but seven. Cleveland heads the list.

## STRESSES NEED FOR EFFICIENCY

Slipshod Methods To Be Tabooed-Unified Code For Traffic Urged.

WASHINGTON, Nov. 22.-Effiduring 1922 industrial corporations ciency and safety must be the slogan

This fact was emphasized at the conference of the highway education including the cost of machines, pur- board, Washington, October 26 to 28, chase of tires ,oils, gasoline, parts in whic motorists of the country were and equipment. The production of represented through delegates aptrucks alone for 1922 is expected to pointed from the National Motorists'

Resolutions approved by the conference stress the need for training make for better regulation and segresell his own crops at first hand and transportation in the interest of the farm population also was presented "The growth in bus transportation in resolutions and given approval.

Working with a unified traffic code as its objective, the highway education board will call attention to the stantial concerns which seek to oper- need for study of traffic administraate regular lines, will increase the tion, the careful registration of vehidemand for this class of transporta- cies and the education of both drivers and the general public.

To this end the student in engicoal over comparatively long routes neering schools will be taught the deto help the railroads, whose capacities sign of highway and rolling stock, the will be taxed to the limit. It has been engineering features of highways and computed that coal can be shipped streets, and the important part which economically by highway over a great is played by parking spaces, safety distance, as that from Scranton, Pa., zones, cross walks, street intersection the anthracite district, to New tions, etc. The best types of signs, York City, because of the saving effected in loading, unloading and lightpedestrians and drivers and vehicle
"Required and Elective" erage charges. The coal delivery com- and traffic lights will be studied, panies in the cities, which have been looking to the standardization of uate Subjects in Highway Engineer-

> The farm population, it is pointed out, should be brought in closer touch for social and economic purposes with trade, professional service, hospitals, hurches, schools and amusements.

> On the subject of the marking of county highways, to which the national Motorist association has already given constructive attention, the res-

lutions adopted say, in part: "Since more than 30,000,000 people live on country roads other than the main truck-line highways, it is obvious that any general program of road building and road marking should have tis important element continually in mind · · · If the chairman. farm element is given the proper incentive, it will more cheerfully and more generally support a road-biulding program. This will make bond issues much easier to float. Among the many things which could possibly gineering and Highway Transport;"

the farming class, none would be of greater value than to provide him with a definite house number \* \* \* He could get parcels delivered to him without difficulty, could receive calls winter will tend to keep the drivemore frequently and in greater number from the city dweller, and in turn could travel to better advantage himself in calling on people in either nearby cities or country.'

Other subjects treated in the resolution on the "Sociological Aspect of road conditions permit. Herbert Highway Transportation" are as fol- Hoover, secretary of commerce, de-

Need for research, planning highways according to future needs, training of highway engineers, appeal to all persons engaged in highway construction, national growth and stability, decentralization of city homes, women and highways, rearrangement of village life ,and study of neighborhood life.

Prof. C. J. Hughes of Harvard university was the chairman of the committee on "Teaching Highway Trafic Regulation and Safety," and Prof. U. S. department of agriculture, was chairman of the committee on "Sociological Aspects of Highway Transportation." Other committees which submitted

ed, and the chairman of each com- peak of 14,780 cars in excess of this "Required and Elective Undergrad- ed in October, 1920.

"Required and Elective Undergrad-

uate Subjects for Highway Transportation Business and Highway En- during the peak of the 1920 congesgineering Positions"; Prof. I. M. Mc-Intyre, chairman.

Undergraduate Courses in Highway Engineering;" Prof. L. E. Conrad, chairman.

"Subject Matter of Basic Undergraduate Course in Highway Transport;" Prof. C. B. Breed, chairman. "Subject Matter of Undergraduate Course in Highway Engineering Theory and Design;" Prof. C. C. Wiley,

"Subject Matter of Undergraduate Course in Highway Engineering Laboratory;" Prof. C. A. Baughman, chairman.

"Graduate Work in Highway Enbe done to stimulate the interest of Prof. H. C. Smith, chairman.

### SHORTAGE OF CARS FORCING INDUSTRY TO DRIVE 'EM AWAY

WASHINGTON, Nov. 22 .- (Special)-The importance of the driveaway to the automobile industry has been emphasized in no uncertain manner during the past several months of freight car shortage. Fig-ures recently released by the National Automobile Chamber of Commerce show that in August the number of cars driver away from the factories reached the highest peak in the history of the industry. In view of this condition, the railways of the country have been again reminded by the car service division of the American Railway association that every available automobile car should be sent to the automobile production districts as quickly as possible. The figures released by the national automobile chamber show that in April the carload shipments numbered 31,-334, while the driveaways totaled 22,-381. In May carload shipments ran 33,416 and driveaways 28,827. The steadily mounting volume of driveaways is seen in June, when car loadngs numbered 34,230 and driveaways 33,857. In July carloadings were 29,-116 and driveaways 28,100. August hen came along with 32,563 carloadings and 36,603 driveaways. The number of automobiles per carload is usually 3.4 to 4.

However ,the fact that summer has considerable to do with driveaways lessens the importance of these figures somewhat, but, nevertheless, it is felt in railway circles that a mild aways going in relative volume. The continued absence of snow and bad weather has greatly assisted the factories in moving their products by the driveaway method, and this may continue throughout the winter if clares that railroad managers are doing their best to relieve the situation and that all available cars are now practically in use. He states that the motive power is still below normal. however, in his opinion, the transportation system of the country has not kept pace with the development of American production. Both the coal and railway strikes aggravated the situation, he pointed out, and added further to the congestion.

It is pointed out in railroad circles that the carriers are bending every C. J. Galpin, economist, in charge of effort to render service to the indusfarm population and rural life of the tries of the country. The Railway association states that \$,003,759 cars were loaded with revenue freight during the week ending October 24. This is the largest number loaded in any week for the past two years. The resolutions, all of which were adopt- history of the railroads shows only a number. This high point was reach-

Advices from Detroit declare that ng." Prof. H. Walter Leavitt, chair- approximately 40,000 cars per month are being shipped via boat and driveaway, compared with 60,000 during the early part of 1920, and 75,000

The industry at Detroit is calling "Subject Matter of Basic Required for 300 cars per day to care for its production, and the supply of cars to meet this runs around 150 cars daily. There are 12 private boats now in operation between Detroit and Cleveland, Buffalo, Chicago, Duluth and Miliwaukee.

> Railway equipment shops are now engaged in a mighty effort to meet the roads' call for new equipment. Orders for 1,792 new locomotives were

ments. The volume of orders on new equipment exceeds the record for the past 10 years.

on hand up to October 15, and 122,- Make Miner Want Ads Doubly Useful 953 freight cars were scheduled for They Will Help You get rid of those production. A large portion of these Things You Do not Want, And They will be designed for automobile ship- Will Help You Get More Xmas Money

OUR WANT ADS BRING-RESULTS

#### SOME FAMOUS MINES

are intimately described in the November 15th issue of the Arizona Mining Journal, which is now on sale. This story is non-technical and intensely interesting whether a person is interested directly in mining or not. But this is one of many features of this issue and the Mining Journal should be on the reading table of all southwestern folks. It is the ONLY INDUSTRIAL REVIEW of the Southwest that is published and of value to all whose busiines caries them into the border states.

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